ASSIGNMENT

Date:16-6-2025
Tech stack :PYTHON
Topic : While Loop
Task:
Prepare a document on While Loop with example

```python
# #While loop
# declaretion
# while condition
# code to execute

#print 0-10
k = 0
while k <= 10:
    print(k)
    k += 1
# #output:
# 1
# 2
# 3
# 4
# 5
# 6
# 7
# 8
# 9
# 10
# -----------------------------
#print -1 to -10
i = -1
while i > -11:
    print(i)
    i -= 1
# #output:
# -1
# -2
# -3
# -4
# -5
# -6
# -7
```

```python
# -8
# -9
# -10
# -------------------------
#-10 to -1
i = -10
while i < 0:
    print(i)
    i += 1
# #output:
# -10
# -9
# -8
# -7
# -6
# -5
# -4
# -3
# -2
# -1
# --------------------
#multipul of evennumber upto 10
```

```python
i=10
product_even = 1
product_odd = 1
while i > 0:
    if i % 2 == 0:
        product_even *= i
    else:
        product_odd *= i
    i -= 1
print(product_even,"product of even numbers")
print(product_odd,"product of Odd numbers")
# #output:
# 3840 product of even numbers
# 945 product of Odd numbers
# ----------------------------------------
#print str in rev
str = input("Enter the string: ")
length = len(str)
while length > 0 :
    length -= 1
```

```python
    print(str[length])
# Output:
# Enter the string: ShivaKumar
# r
# a
# m
# u
# K
# a
# v
# i
# h
# S
# -----------------------
# print str
str = input("enter the name:- ")
index = 0
while index < len(str):
    print(str[index])
    index += 1
# #OutPut:
# enter the name:- ShivaKumar
# S
# h
# i
# v
# a
# K
# u
# m
# a
# r
#-------------------
```